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-	53	return with pointer with instrument\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/10 13:07
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-	51	code with (patch\$3 or instrument\$5) with breakpoint\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/10 15:16
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-	21	entry with exit with breakpoint\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/10 16:17
-	31	(function\$1 with entr\$3 with exit\$1) and breakpoint\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/10 16:22
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1 Fast breakpoints: design and implementation

Peter B. Kessler

June 1990 **ACM SIGPLAN Notices**, Proceedings of the ACM SIGPLAN 1990 conference
on Programming language design and implementation, Volume 25 Issue 6

Full text available: pdf (855.02 KB)

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We have designed and implemented a fast breakpoint facility. Breakpoints are usually thought of as a feature of an interactive debugger, in which case the breakpoints need not be particularly fast. In our environment breakpoints are often used for non-interactive information gathering; for example, procedure call count and statement execution count profiling [Swinehart, et al.]. When used non-interactively, breakpoints should be as fast as possible, so as to perturb the execution of the pro ...

2 Efficient data breakpoints

Robert Wahbe

September 1992 **ACM SIGPLAN Notices**, Proceedings of the fifth international conference on Architectural support for programming languages and operating systems, Volume 27 Issue 9


Full text available: pdf(1.22 MB)

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3 Software engineering for security: a roadmap

Premkumar T. Devanbu, Stuart Stubblebine

May 2000 **Proceedings of the conference on The future of Software engineering**

Full text available:  pdf(1.71 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: copy protection, security, software engineering, water-marking

4 Dynamic currency determination in optimized programs

D. M. Dhamdhere, K. V. Sankaranarayanan

November 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 20 Issue 6

Full text available: [pdf\(302.86 KB\)](#)

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Compiler optimizations pose many problems to source-level debugging of an optimized program due to reordering, insertion, and deletion of code. On such problem is to determine


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1 [Caching multidimensional queries using chunks](#)

Prasad M. Deshpande, Karthikeyan Ramasamy, Amit Shukla, Jeffrey F. Naughton

June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data**, Volume 27 Issue 2Full text available: [pdf\(1.55 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Caching has been proposed (and implemented) by OLAP systems in order to reduce response times for multidimensional queries. Previous work on such caching has considered table level caching and query level caching. Table level caching is more suitable for static schemes. On the other hand, query level caching can be used in dynamic schemes, but is too coarse for "large" query results. Query level caching has the further drawback for small query results in that it is only effective ...

2 [Building a scaleable geo-spatial DBMS: technology, implementation, and evaluation](#)

Jignesh Patel, JieBing Yu, Navin Kabra, Kristin Tufte, Biswadeep Nag, Josef Burger, Nancy Hall, Karthikeyan Ramasamy, Roger Lueder, Curt Ellmann, Jim Kupsch, Shelly Guo, Johan Larson, David De Witt, Jeffrey Naughton

June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data**, Volume 26 Issue 2Full text available: [pdf\(1.58 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a number of new techniques for parallelizing geo-spatial database systems and discusses their implementation in the Paradise object-relational database system. The effectiveness of these techniques is demonstrated using a variety of complex geo-spatial queries over a 120 GB global geo-spatial data set.

3 [Proceedings of the sixteenth national conference on artificial intelligence and eleventh innovation applications of AI conference on Artificial intelligence and innovative applications of artificial intelligence](#)

Jim Hendler, Devika Subramanian, Ramasamy Uthurusamy, Barbara Hayes-Roth

July 1999 proceeding, American Association for Artificial Intelligence

Additional Information: [full citation](#), [index terms](#)**4** [Panel and workshop reports from KDD-2003: Summary from the KDD-03 panel: data mining: the next 10 years](#)

Usama M. Fayyad, Gregory Piatetsky-Shapiro, Ramasamy Uthurusamy

December 2003 **ACM SIGKDD Explorations Newsletter**, Volume 5 Issue 2Full text available: [pdf\(86.80 KB\)](#)Additional Information: [full citation](#)

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